

SPECIALTIES PORTFOLIO

Versatility. Performance. Endless possibilities.

TERBLEND® S
TERLUX® STYROFLEX®
ZYLAR® LURAN®
NOVODUR CLEARLUX®
HIGH HEAT® NAS® STYROLUX®
STYROLUX LURAN®
ECO® HIGH HEAT
LURAN® SC NOVODUR®
TERBLEND® N STYROFLEX
ECO®
K-RESIN® LURAN® S

TRANSPARENT

TRANSPARENT STYRENIC SPECIALTIES

STIFFNESS	DIMENSIONAL STABILITY HEAT RESISTANCE CHEMICAL RESISTANCE	LURAN® LURAN® HH	LURAN IS INEOS STYROLUTION'S STYRENE ACRYLONITRILE COPOLYMER (SAN) LURAN HH IS INEOS STYROLUTION'S ALPHA-METHYLSTYRENE ACRYLONITRILE (AMSAN) COPOLYMER
	TRANSPARENCY FLOWABILITY FOR MEDICAL USE	NAS®	NAS IS INEOS STYROLUTION'S TRANSPARENT STYRENE METHYL METHACRYLATE (SMMA) COPOLYMER
IMPACT RESISTANCE	TRANSPARENCY CHEMICAL RESISTANCE RIGIDITY, STIFFNESS FOR MEDICAL USE	TERLUX®	TERLUX IS INEOS STYROLUTION'S METHYL METHACRYLATE ACRYLONITRILE BUTADIENE STYRENE (MABS) COPOLYMER
	TRANSPARENCY FLOWABILITY	ZYLAR®	ZYLAR IS INEOS STYROLUTION'S METHYL METHACRYLATE BUTADIENE STYRENE (MBS) POLYMER
	HIGH FLOW EXCELLENT CHEMICAL RESISTANCE TRANSPARENCY	CLEARLUX®	CLEARLUX IS INEOS STYROLUTION'S METHYL METHACRYLATE ACRYLONITRILE BUTADIENE STYRENE (MABS) COPOLYMER
	TRANSPARENCY LOW TEMPERATURE TOUGHNESS FLOWABILITY RIGIDITY, STIFFNESS	STYROLUX®* K-RESIN®	STYROLUX* AND K-RESIN ARE INEOS STYROLUTION'S THERMOPLASTIC TRANSPARENT AND IMPACT RESISTANT STYRENE BUTADIENE BLOCK COPOLYMERS (SBC)
	LOW TEMPERATURE TOUGHNESS FLOWABILITY TRANSPARENCY	STYROFLEX®*	STYROFLEX* IS INEOS STYROLUTION'S THERMOPLASTIC ELASTOMER, A STYRENE BUTADIENE BLOCK COPOLYMER (SBC) WITH TAILOR-MADE ARCHITECTURE



*Available also as bio-attributed ECO grades

ENHANCED

ENHANCED STYRENIC SPECIALTIES

IMPACT RESISTANCE (ABS)	FOR MEDICAL USE CHEMICAL RESISTANCE FLOWABILITY & HIGH GLOSS ELECTROPLATING	NOVODUR®	NOVODUR IS INEOS STYROLUTION'S SPECIALTY ACRYLONITRILE BUTADIENE STYRENE (ABS) COPOLYMER
	ELECTROPLATING HEAT RESISTANCE DIMENSIONAL STABILITY LOW EMISSION & FLOWABILITY	NOVODUR® HIGH HEAT	NOVODUR HIGH HEAT IS INEOS STYROLUTION'S ENHANCED HEAT RESISTANCE SPECIALTY ACRYLONITRILE BUTADIENE STYRENE (ABS) COPOLYMER
UV RESISTANCE (ASA)	IMPACT STRENGTH & FLOWABILITY CHEMICAL RESISTANCE HEAT RESISTANCE DIMENSIONAL STABILITY	LURAN® S	LURAN S IS INEOS STYROLUTION'S ACRYLONITRILE STYRENE ACRYLATE (ASA) COPOLYMER
	LONG TERM PROPERTY RETENTION IMPACT STRENGTH FLOWABILITY HEAT RESISTANCE	LURAN® SC	LURAN SC IS INEOS STYROLUTION'S BLEND OF ACRYLONITRILE STYRENE ACRYLATE COPOLYMER AND POLYCARBONATE (ASA/PC)
PHYSICAL AND MECHANICAL STRENGTH	FLOWABILITY DIMENSIONAL STABILITY LOW GLOSS CHEMICAL RESISTANCE	TERBLEND® N/S	TERBLEND N IS INEOS STYROLUTION'S ACRYLONITRILE BUTADIENE STYRENE COPOLYMER BLEND WITH POLYAMIDE (ABS/PA) TERBLEND S IS INEOS STYROLUTION'S ACRYLONITRILE STYRENE ACRYLATE COPOLYMER BLEND WITH POLYAMIDE (ASA/PA)

CLEARLUX®

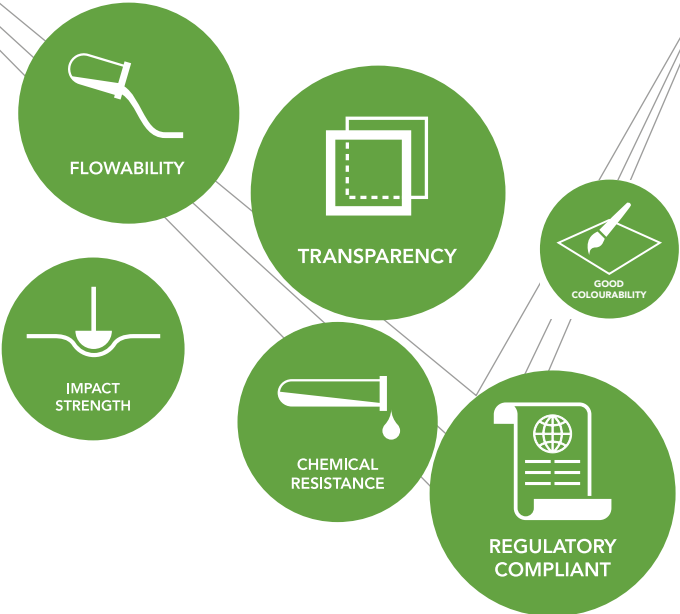
Clearlux 816 is a methyl methacrylate acrylonitrile butadiene styrene polymer. The grade offers a unique combination of excellent flow, high impact strength, heat resistance and good colourability.

	PROPERTIES			PROCESSING			MECHANICAL			THERMAL			OPTICAL						
	Polymer abbreviation	Density	Water absorption, saturated at 23 °C	Method: injection moulding (M), extrusion (E), blow moulding (B)	Melt Volume Rate (220 °C / 10 kg)	Melt temperature range	Mould temperature range	Mould shrinkage range	Tensile modulus	Tensile stress at yield, 23 °C	Tensile strain at break, 23 °C	Charpy notched impact strength (23 °C)	Hardness, ball indentation	Heat deflection temperature, HDT A (annealed 4h/80 °C; 1.8 MPa)	Heat deflection temperature, HDT B (annealed 4 h/80 °C; 0.45 MPa)	Vicat softening temperature, VST/B/50	Light transmission (4 mm thickness)	Haze (4 mm thickness)	Refractive index (nD)
TEST METHOD		ISO 1183	ISO 62		ISO 1133	ISO 294	ISO 294	ISO 294-4	ISO 527	ISO 527	ISO 527	ISO 179/1eA	ISO 2039-1	ISO 75-1/-2	ISO 75-1/-2	ISO 306	ASTM D 1003	ASTM D 1003	ISO 489
UNIT		kg/m ³	%		cm ³ /10 min	°C	°C	%	MPa	MPa	%	kJ/m ²	MPa	°C	°C	°C	%	%	%
CLEARLUX 816	MABS	1080	0.70	M	16.0	220-250	44-70	0.40-0.70	1900	42	20	8	75	87	93	87	-	2.00	1.54

High flow, excellent chemical resistance, high impact, excellent transparency

CLEARLUX®

KEY PROPERTIES



KEY APPLICATIONS

- > Pens and pencils
- > Housings
- > Toys, sports and leisure applications
- > Cosmetic packaging



CLEARLUX is the grade of choice due to its key properties, such as high flow and and good colourability



ADVANTAGES AT A GLANCE

Clearlux 816 is a methyl methacrylate acrylonitrile butadiene styrene (MABS) polymer. The grade offers a unique combination of excellent flow, high impact strength and good colourability.



KEY PROPERTIES



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CLEARLUX
now available
through your
distribution
partner