

Ultrapolymers PP

UP321PP

Polypropylene for Rotational Moulding

Description

Ultrapolymers UP321PP powder is designed for high impact rotational moulding applications and is suitable for applications requiring high ESCR, low warpage and good processability. Ultrapolymers UP321PP is fully heat and UV stabilised resulting in good processing latitude, good colour retention and long life expectancy.

Physical Properties		Test Method	Typical Value*	Unit
Melt flow index	230 °C/2,16 kg	ASTM D1238	14,5	g/10 min
Density		ISO 1133	900	Kg/m ³
ESCR	50 °C / 10% Igepal	ASTM D1693	>1000	h
Flexural Modulus		ISO 178	1000	MPa
Izod notched	23 °C	ISO180	22	kJ/m ²
Impact Strength	F50, 23 °C	ARM method	55	J
Impact Strength	F50, 0 °C	ARM method	10	J
Vicat		ASTM D1525	122	°C

*Values expressed are from base material

Product Characteristics

- High impact strength / stiffness balance
- High ESCR
- Good processability – easy flow with a broad processing window
- Naturally bright white colour preserved through the moulding process

Typical Applications

- Automotive
- Hydraulic oil tanks
- Technical products
- Furniture
- Underground infrastructure

Colours

- Available in natural and black

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