

Jampilen EPC40R

Heterophasic copolymer

Description:

"Jampilen EPC40R" is a heterophasic polypropylene copolymer designed for injection moulding battery cases and technical items. The product offers an excellent balance of mechanical properties and processability and features an excellent long-term heat-stability. Articles moulded with "Jampilen EPC40R" offer a good balance of stiffness and toughness, good surface properties and a very high resistance to chemicals and crazing.

"Jampilen EPC40R" is largely used for automotive components. Battery cases, cooling water compensation reservoirs, brake fluid reservoirs, wash water reservoirs, dashboard supports, luggage compartment trims and door trim panels are typical applications.

In the electro-technical industries, "Jampilen EPC40R" is used for appliances, cables and wires (e.g. as slotted core element in fibre optic cables). "Jampilen EPC40R" is suitable for food contact.

Processing Method:

Injection moulding

Features:

Excellent processability
Excellent balance of stiffness, impact strength
Excellent long-term heat-stability
Heterophasic copolymer

Typical Applications:

Battery cases, cooling water compensation reservoirs
Brake fluid reservoirs, wash water reservoirs, dashboard supports, luggage compartment trims and door trim panels
Appliances, cables and wires (e.g. as slotted core element in fibre optic cables)

Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16kg)	7.0	g/10min	ISO 1133
Density	0.9	g/cm ³	ISO 1183
Mechanical			
Flexural Modulus	1150	N/mm ²	ISO 178
Tensile Strength at Yield	26	N/mm ²	ISO R 527
Tensile Elongation at Yield	10	%	ISO R 527
Izod Impact Strength (notched) at 23 °C	8	kJ/m ²	ISO 180
Hardness Shore D	68	points	ISO 868
Thermal			
Vicat softening point (9.8N)	151	°C	ISO 306/A
H.D.T. (0.46 Mpa)	88	°C	ISO 75/B
Accelerated oven ageing in air at 150 °C	1800	hours	ISO 4577