

PALPROP® R C 25

Polypropylene Impact Copolymer
pal plast GmbH

Message:

PALPROP® R C 25 is a polypropylene impact copolymer (PP Impact Copoly) product. It can be processed by injection molding and is available in Europe. PALPROP® R C 25 applications include packaging, the automotive industry and consumer goods.

Features include:

- Impact resistance
- High stiffness
- Copolymer

General Information			
Features	Block Copolymer		
	Rigidity, high		
	Impact resistance, high		
	Good liquidity		
	Low temperature impact resistance		
Uses	Packaging		
	Leather case		
	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1300	MPa	ISO 527-2/1A/1
Tensile Stress (Yield, 23°C)	26.5	MPa	ISO 527-2/1A/50
Nominal Tensile Strain at Break (23°C)	18	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.5	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	68.0	°C	ISO 306/B50
Additional Information			

Tensile Modulus, ISO 527, 23°C, 1 mm/min, Type A: 1200 to 1400 MPaTensile Stress at Yield, ISO 527, 23°C, 50 mm/min, Type A: 25 to 28 MPaNominal Tensile Strain at Break, ISO 527, 23°C, 50 mm/min, Type A: 15 to 20 %Charpy Notched Impact, ISO 179, Type 1, Edgewise, Notch A, 23°C: 7 to 10 kJ/m²Vicat Softening Temperature, ISO 306, B50 (50°C/h 50N): 66 to 70 °CDensity, ISO 1183: 0.9 to 0.92 g/cm³

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