

Technical Data Sheet

Percom PCT15USR-ST NATURAL



Polypropylene Copolymer

Product Description

15% mineral filled PP Copolymer with UV stabilization and enhanced scratch resistance

Processing Method	Injection Molding
Attribute	Copolymer; Scratch Resistant; UV Resistant
Application	Automotive Interior Parts
Filler/Reinforcement	Talc, 15%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	16	cm ³ /10 min	ASTM D1238
Density	1.01	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	23	MPa	ISO 527-2
Tensile Strain at Yield	4	%	ISO 527-2
Tensile Modulus	2100	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched, (23 °C)	16	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C)	No Break		ISO 179
Hardness			
Shore Hardness, (Shore D)	60		ISO 868
Thermal			
Vicat Softening Temperature, (A (10N), 50 °C/h)	138	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	103	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	57	°C	ISO 75-2/A
UL Information			
Flame Rating	HB		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Mold Temperature	30 to 60	°C