

Technical Data Sheet

**Percom PCT15USR-ST NATURAL**



Polypropylene Copolymer

**Product Description**

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

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

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Volume Flow Rate, (230 °C/2.16 kg)	16	cm <sup>3</sup> /10 min	ASTM D1238
Density	1.01	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Tensile Stress at Yield	23	MPa	ISO 527-2
Tensile Strain at Yield	4	%	ISO 527-2
Tensile Modulus	2100	MPa	ISO 527-1
<b>Impact</b>			
Charpy Impact Strength - Notched, (23 °C)	16	kJ/m <sup>2</sup>	ISO 179
Charpy Impact Strength - Unnotched, (23 °C)	No Break		ISO 179
<b>Hardness</b>			
Shore Hardness, (Shore D)	60		ISO 868
<b>Thermal</b>			
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
<b>UL Information</b>			
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