

Technical Data Sheet

PERCOM PCT10U ORE 8-0972



Polypropylene Compounds

Product Description

Percom PCT10U is a 10% talc filled polypropylene copolymer, UV Stabilized

Attribute	Copolymer
Additive	UV Stabilizer
Filler/Reinforcement	Talc, 10%

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	14	g/10 min	ISO 1133
Density	0.95	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Tensile Modulus	1150	MPa	ISO 527-1, -2
Tensile Stress at Yield	17	MPa	ISO 527-1, -2
Tensile Strain at Break	25	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched	39	kJ/m <sup>2</sup>	ISO 179
<b>Hardness</b>			
Shore Hardness			
(Shore A)	98		ISO 868
(Shore D)	65		ISO 868
<b>Thermal</b>			
Vicat Softening Temperature			
(A50)	144	°C	ISO 306
(B50)	65	°C	ISO 306
Heat Deflection Temperature A, (1.80 MPa, Unannealed)	78	°C	ISO 75A-1, -2
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	98	°C	ISO 75B-1, -2
<b>Processing Parameters</b>			
Melt Temperature	220-260	°C	

Injection Parameters	Nominal Value	Units
Drying Time	2-3	hr
Drying Temperature	80	°C
Mold Temperature	30-60	°C