

Properties & Specification Of RAKtherm PP-R Raw Material

Properties	Test Method	Value	Unit
Density	ISO 1183	0.897	g/cm ³
Melt Flow Rate(MFR) 190°C/5Kg 230°C/2.16 Kg	ISO 1133	<-0.8 <-0.5	g/10 min.
Tensile Stress at Yield	ISO 527	24	MPa
Tensile Strain at Yield	ISO 527	10	%
Tensile Modules	ISO 527	850	MPa
Flexural Modulus	ISO 178	800	MPa
Impact Strength			
Charpy-Un Notched	ISO 179		
23°C		No break	KJ/m ²
0 °C		No break	KJ/m ²
-30°C		43	KJ/m ²
Charpy-Notched	ISO 179		
23°C		22	KJ/m ²
0 °C		4.5	KJ/m ²
-30°C		2.5	KJ/m ²
Thermal Conductivity at 20°C	DIN 52612	0.24	W/mK
Specific Heat at 20°C	Calorimeter	2.0	J/gK
Pipe Friction Factor		0.007	
Melting Temperature	ISO 3146	140-150	°C