

Technical Data Sheet

Product Description

FM POM-20

POM copolymer. Medium flowing type for injection molding.

Characteristic	Value	Unit	Test Method
Physical			
Density	1410	kg/m ³	ISO 1183
Melt Volume Rate	8	cm ³ /10min	ISO 1133
> MVR Test Temperature	190	°C	ISO 1133
> MVR Test Load	2.16	kg	ISO 1133
Mechanical			
Tensile Modulus (1mm/min)	2850	MPa	ISO 527-2/1A
Tensile Stress at yield (50mm/min)	64	MPa	ISO 527-2/1A
Tensile Strain at yield (50mm/min)	9	%	ISO 527-2/1A
Tensile Strain at yield (50mm/min)	30	%	ISO 527-2/1A
Charpy notched impact strength @ 23°C	6,5	kJ/m ²	ISO 179/1eA
Ball indentation hardness, 30 sec value	144	N/mm ²	ISO 2039, part 1; applied load 358 N
Thermal			
Melting Temperature (10°C/min)	166	°C	ISO 11357-1,-2,-3
Vicat ^{VST/B/50}	150	°C	ISO 306

Notes: Values shown are averages and are not to be considered as product specification. These values may shift slightly as additional data is accumulated. - ISO test methods are the latest under the society's current procedures.

Health & Safety

Ensure proper ventilation of the work environment to minimize health and safety hazards from fine particles. Ensure machinery and equipment is properly grounded to prevent sparks that can ignite dust. Molten polymers will cause thermal injuries to organic matter please ensure safety glasses and appropriate safety apparel is worn.

Storage & Handling

FM POM is not subject to change when it is stored in dry, ventilated rooms. After relatively long storage (>1 year) or when handling material from previously opened containers, preliminary drying is recommended in order to remove any moisture which has been absorbed.

Packaging

POM resins are supplied in pellet form packed in 25kg bags on 1.375 kg pallets or in 1.100 kg big bags.



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