

AMCEL® KP20 - POM

Restricted Grade. Please contact your Celanese representative for further information.

Description

POM copolymer
 Medium flowing type for injection molding

Physical properties	Value	Unit	Test Standard
Density	1410	kg/m ³	ISO 1183
Melt volume rate, MVR	8	cm ³ /10min	ISO 1133
MVR temperature	190	°C	ISO 1133
MVR load	2,16	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	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 nominal strain at break, 50mm/min	30	%	ISO 527-2/1A
Charpy notched impact strength, 23°C	6,5	kJ/m ²	ISO 179/1eA
Ball indentation hardness, 30s	144	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
Melting temperature, 10°C/min	166	°C	ISO 11357-1/-3
Vicat softening temperature, 50°C/h 50N	150	°C	ISO 306

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Trademark

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