Amcel KP20

POM

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	8	cm^3/10min	ISO 1133
MVR Test Temperature	190	°C	ISO 1133
MVR Test Load	2.16	kg	ISO 1133
Mechanical Properties	**Value**	**Unit**	**Test Standard**
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/mm²	ISO 2039, part 1; applied load 358 N
Thermal Properties	**Value**	**Unit**	**Test Standard**
Melting Temperature (10°C/min)	166	°C	ISO 11357-1,-2,-3
Vicat VST/B/50	150	°C	ISO 306

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