

# CELCON® F15-33HC

## CELCON®

CELCON® F15-33HC is a toughness-improved (medium-high viscosity) for general injection molding. Features greater stiffness compared to general POM copolymer

### Product information

Resin Identification	POM	ISO 1043
Part Marking Code	>POM<	ISO 11469

### Rheological properties

Melt mass-flow rate	5.5 g/10min	ISO 1133
Melt mass-flow rate, Temperature	190 °C	
Melt mass-flow rate, Load	2.16 kg	
Moulding shrinkage, parallel	2.0 %	ISO 294-4, 2577

### Typical mechanical properties

Tensile stress at yield, 50mm/min	68 MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	10 %	ISO 527-1/-2
Nominal strain at break	30 %	ISO 527-1/-2
Flexural modulus	2580 MPa	ISO 178
Flexural strength	90 MPa	ISO 178
Charpy notched impact strength, 23°C	8.5 kJ/m <sup>2</sup>	ISO 179/1eA

### Thermal properties

Melting temperature, 10°C/min	170 °C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	96 °C	ISO 75-1/-2
Coefficient of linear thermal expansion (CLTE), parallel	120 E-6/K	ISO 11359-1/-2

### Flammability

Burning Behav. at thickness h	HB class	IEC 60695-11-10
Thickness tested	3 mm	IEC 60695-11-10

### Electrical properties

Electric strength	19 kV/mm	IEC 60243-1
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### Physical/Other properties

Humidity absorption, 2mm	0.2 %	Sim. to ISO 62
Density	1410 kg/m <sup>3</sup>	ISO 1183

### Characteristics

Processing	Injection Moulding
Delivery form	Pellets