

Pillar injection molding

Energy lives here™



ExxonMobil™ PP7555KNE2 impact copolymer polypropylene (ICP PP) resin is an excellent compounding basestock solution for demanding automotive applications, including interior and exterior parts.

Key advantages:

- **High melt flow rate (MFR)**
 - Higher MFR compound for better fit in thin-walled, complex, and large parts versus lower MFR resin
 - Helps reduce flow marks for better surface aesthetics versus lower MFR resin
 - Improves processability for potential cycle-time savings
- **Well-suited for high-performance interior/exterior part applications**
 - Good balance of impact and stiffness properties
 - Good dimensional stability
- **High-quality product consistency**

ExxonMobil PP7555KNE2 typical properties:

Properties	Test conditions	Test method based on	Unit	Typical value
Melt flow rate (MFR)	230°C/2.16 kg	ASTM D1238	g/10 min	50
Tensile strength at yield	-	ISO 527-2/50	MPa	24.7
Flexural modulus	2.0 mm/min	ISO 178	MPa	1270
Heat deflection temperature (HDT)	0.45 MPa – unannealed	ISO 75-2/Bf	°C	93.0
Notched izod impact (RTNI)	23°C	ISO 180/1A	kJ/m ²	7.4

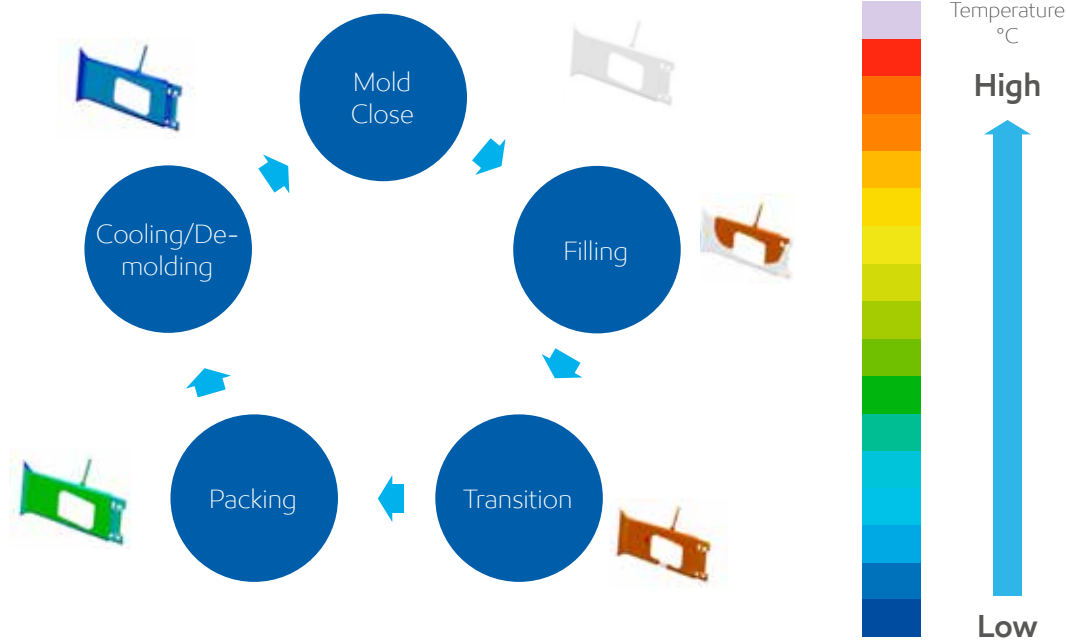
For detailed product information, please consult the individual grade data sheet, available on our website www.exxonmobilchemical.com/pp. Values given are typical and should not be interpreted as specifications. Data generated by or on behalf of ExxonMobil Chemical.

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For more information:
exxonmobilchemical.com/pp

ExxonMobil Chemical booth: N2 E41

Simulation on auto part



Data traceability: PP7555KNE2 material modeling tested by DataPointLab report # 19020

SUPERMASTER two platen advanced servo drive series

700 – 6500 T



Machine designations	Unit	t-win 8500-7000
Technical data		
Clamping force	kN	7000
Screw diameter	mm	98
Part weight	g	165
Cavities		1
Material		PP
Max. injection capacity	cm ³	3770
Screw speed max	rpm	130
L/D ratio (3-zone screw)	L/D	22
Net weight total	ton	31
Length x width x height	m	9.4 x 2.9 x 2.5
Opening stroke	mm	1200 - 1900
Mould thickness (min. - max.)	mm	400 - 1100

Chen Hsong Holding at Chinaplas 2016: E2 J41
For more information: www.chensong.com.hk