INEOS PP R35C-02

Polypropylene Random Copolymer

INEOS Olefins & Polymers USA

Message:

R35C-02 is a high flow rate, high clarity, lubricated random copolymer designed for high-speed injection molding of medium to thin walled parts requiring excellent clarity, fast cycle times and ease of de-nesting. Finished parts produced with R35C-02 will exhibit a bluish hue, giving a look of enhanced clarity. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

General Information			
Additive	Lubricant		
Features	Fast Molding Cycle Food Contact Acceptable High Clarity High Flow Lubricated Random Copolymer		
Uses	Thin-walled Parts		
Agency Ratings	EC 1907/2006 (REACH) FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.904	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	83		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1]			ASTM D638
Yield	29.4	MPa	
Break	17.2	MPa	
Tensile Elongation [2]			ASTM D638
Yield	14	%	
Break	> 500	%	
Flexural Modulus - 1% Secant	1070	MPa	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
4°C	32	J/m	

23°C	61	J/m	
Notched Izod Impact (Area)			ASTM D256
4°C	3.16	kJ/m^2	
23°C	5.98	kJ/m^2	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	77.8	°C	ASTM D648
Vicat Softening Temperature	130	°C	ASTM D1525
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (60°)	96		ASTM D2457
Haze [3] (1270 µm)	17	%	ASTM D1003
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	23°C		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China