



Data Sheet
Date Prepared:

MDPE RG300U

YUCLAIR RG300U is medium density linear polyethylene resin with narrow molecular weight distribution displaying excellent processability and overall general toughness and strength. Extra high stress-crack resistance and impact strength make YUCLAIR RG300U very suitable for demanding applications requiring extreme toughness. RG300U contains UV-stabilizer and is used for applications demanding maximum protection against out-door weathering. YUCLAIR RG300U, complies with the U.S. Food & Drug Administration regulation 121.2501, entitled ``Olefin Polymers`` currently in effect.

Application / Use Case

Roto Molding / container, pressure sensitive paper

Characteristic

Processability, Stiffness

Specification

	Specification	Unit	Test Method
Density	0.930	g/cm ³	ASTM D1505
Melt Index	5	g/10min	ASTM D1238

Physical Properties

	Value	Unit	Test Method
Softening Point(Vicat)	107	°C	ASTM D1525
Tensile Strength at Break	250	kg/cm ²	ASTM D882
Elongation at Break	900	%	ASTM D882
IZOD Impact Strength(Notched, 23°C)	NB	kg·cm/cm	ASTM D256
ESCR	>1000	hr	ASTM D1693
Melting Point	121	°C	ASTM D2117

Head Office 99 Seorin-dong, Jongno-gu, Seoul 110-110, Korea
Tel. 82-2-2121-5114 Fax. 82-2-2121-7001

SK Institute of Technology 140-1 Woncheon-dong, Yuseong-gu, Taejeon, Korea
Tel. 82-42-866-7624 Fax. 82-42-866-7603

Online www.skglobalchemical.com
www.skchem.com

ISO 9001 Certified





Brittleness Temperature	<-80		
Flexural Modulus	5800	kg/cm ²	ASTM D790
Hardness	50	Shore D	ASTM D2240

Head Office 99 Seorin-dong, Jongno-gu, Seoul 110-110, Korea
Tel. 82-2-2121-5114 Fax. 82-2-2121-7001

SK Institute of 140-1 Woncheon-dong, Yuseong-gu, Taejeon, Korea
Technology Tel. 82-42-866-7624 Fax. 82-42-866-7603

Online www.skglobalchemical.com
www.skchem.com

ISO 9001 Certified

