



RESIPRENE® 1055

Thermoplastic Elastomer

DESCRIPTION

RESIPRENE® 1055 is a Thermoplastic Elastomer (TPE) easy to process and great for injection molding process

FEATURES

- Easy color match
- Excellent Processability
- Good Mechanical Properties
- 100% recyclable
- Process with thermoplastics traditional equipment
- No predrying

APPLICATIONS: Tools handles, pipes, impact modifier, tooth brush handles, seals, meshes, soft touch applications

PROPERTIES

	ENGLISH		S.I.		STANDAR	
PHYSICAL						
Specific Gravity	lb/in ³	0.04	g/cm ³	1.10	-	-
Melt Flow Rate (190 oC/2.16Kg)	g/10 min	2.50	g/10 min	2.50	D1238	ASTM
MECHANICAL						
Tensile Strength, Break	psi	812	Mpa	5.60	D638	ASTM
Break Elongation	%	1,500	%	1,500	D638	ASTM
Tensile with 100% elongation	psi	130	Mpa	0.90	D638	ASTM
Tensile with 200% elongation	psi	174	Mpa	1.20	D638	ASTM
Tensile with 300% elongation	psi	203	Mpa	1.40	D638	ASTM
HARDNESS						
Shore A	-	55	-	55	DIN 53505	DIN

.Typical values represent average laboratory values and are intended as guides only, not as specific specification limits.

.Properties designated in this standar have been determined in accordance with the current issue of the specified testing methods

RESIPRENE® 1055, has a good stability in Melt Flow Rate. Maximum time of residence may vary with the size of the hussle. Generally, the hussle must be emptied if its out of operation for 5 to 8 minuts or more. Purge completely with a polyolefine before and after using this product

CONDITIONS

	°C	°F
Rear Barrel Temperature	(150-160)	(302-320)
Middle Barrel Temperature	(160-170)	(320-338)
Front Barrel Temperature	(170-180)	(338-356)
Nozzle Temperature	(190-200)	(374-392)
Mold Temperature	45	113
Maximum Recommended Temperature	280	536

ADDITIONAL INFORMATION

WARNING:

As most plastics materials, combustion of this material may cause hazardous fumes and gases, as well as situations that could be dangerous for health, especially in closed places. It should be noted that excessive heating or long residence times may cause degradation or yellowing.

NOTE:

The data contained herein is provided for information purposes only. By providing such information, Resirene, S.A. de C.V. makes no guarantee and does not assume any liability with respect to the accuracy or completeness of such information and the results obtained with this product in any specific instance; and hereby expressly disclaims all implied warranties of merchantability or fitness to a particular purpose. Nothing contained herein shall be construed as a license to use the products of Resirene, S.A. de C.V. in any manner that would infringe any patent.

Resirene S.A. de C.V.
 Km 15.5 carret. Fed. Puebla-Tlaxcala
 90780 Xicohtzinco, Tlaxcala, MEX
 MEX toll free 01 800 RESINAS
 USA toll free 1 866 372 3470



www.resirene.com