

TECHNICAL DATA SHEET

Product Name: ROTOMOLDER™

Product Description:

RotoMolder™ Poly is a specially formulated resin system to produce fast cure production roto-molded objects. The engineered 2K formulation provides dimensional stability, very strong and durable hollow part structures. This material system may be customized to any desired variation in hardness, flexibility, reactivity and/or viscosity. The system does not require the use of heated molds as it naturally yields fast-crosslinking polymers delivering shorter rotating cycle times. Material may be slightly heated to lower flowing viscosity and lessen cycle time. This material may also be colored and finish painted.

Material Property Values and Application Requirements Table

Property	*Values relative to density	Test Method
Hardness	Shore D: 45-75	ASTM D785
Tensile Strength	3500-5700 psi	ASTM D412
Impact	>400 in. lbs	ASTM D2794
Flex Modulus	150-450 lb/ lin. in.	ASTM D624
Abrasion Resistance	65 mg loss /1000 cycles	ASTM D4060 (CS-17)
Elongation %	200-450%	ASTM D412
Get Times are formulated as desired.		
Mixing Ratio 1A:1B pbv, Power Mix Stir B-Side thoroughly for 10 minutes prior to use until uniform color and viscosity, do not induce air.		
Surface Preparation of mold must use mold release.		
Material functional operation temperature: -40°C- 65°C., Zero VOC formulation.		
Thickness of part is controlled by mold geometry and quantity of material deployed.		
See SDS for material safety data. Must wear eye goggles, respiratory protection, gloves, etc.		
KEEP MATERIAL FROM FREEZING, moisture-free temperature controlled storage 12°C- 32°C, 12 month shelf life if never opened. After opening reseal with Nitrogen blanket.		
Packaging: Tote set 550 gal (4900 lbs), 100 gal Drum set (900 lbs), 10 gal Pail set (90 lbs)		

Please contact our Engineering and/or Technical Support Groups with any questions.

support@weatherallcoatings.com 888-416-7168